



1/10

MSSAVLTLLPD PSSSFREDAPRPPVPGEGETPPCQPSVGKVQSTKMPVSSNARNED 60
GLGEPEGRASPDSPLTRWTKSLHSLLDGDQDGAYLFRTFLEREKCVDTLDFWFACNGFRQM 120
NLKDTKTLRVAKAIYKRYIENNSVVSQQLKPATKTYIRDGIKKQQIGSVMFDQAQTEIQA 180
VMEENAYQVFLTSDIYLEYVRSGGENTAYMSNGGLGSLKVLGCGYLPTLNEEEEWTCADLK 240
CKLSPTVVGLSSKTLRATASVRSTETAENGGFRSFKRSDPVNPNYHVGSGYVFAPATSANDS 300
ELSSDALTDSDMSMTDSSVDGVPPYRMGSKKQLQREMHRSVKANGQVSLPHFPRTHLRLPK 360
EMTPVEPAFAAELISRLEKLKLELESRHSL EERLQQIREDEEKEGSEQALSSRDGAPVQ 420
HPLALLPSGSYEEDPQTILDDHLSRVLKTGPGCQSPGVGRYSPRSRSPDHHHQHHHHQQCH 480
TLLSTGGKLPPVAACPLLGGKSFLTQTTTKHVHHHYIHHHAVPKTKEEIEAEATQRNVRL 540
CPGGTDYYCYSKCKHPKAPEPLPGEQFCGSRGGTLPKRNAKGTEPGLALSARDGGMSSA 600
AGGPQLPGEEGDRSQDVWQWMLESERQSKSKPHSAQSIRKSYPLESARAAPGERVSRHHL 660
LGASGHSRSVARAHPFTQDPAMPPLTPPNTLAQLEEACRRLAEVSKPQKQRCCVASQQRD 720
RMHSAAGQCAGASPFANPSLAPEDHKEPKKLASVHALQASELVVITYFFCGEEIPGYRRMLKA 780
QSLTLGHFKEQLSKKGNRYRYFKKASDEFACGAVFEEIWDDETVLPMEGRILGKVERID 840

Fig. 2 of 10

CAGCGGTTTCGCGATGGAAITTCGGGGCCACCGGAGGCCGAGGCGTCCGGCTCCCAAAGG	60
AGAGCTTTGCTGTAAAGAGAGGAGGCTCACATGAGCCCTGCGTACTTAAGAGAGACCA	120
AGCCGATTGCTGAGAGGAAGTGAAGAACGAAAAGGAGGAGGAGGGAAAAAGCAAAC	180
AAAATCCAAACTCAGTGAGACGCTCTCCCTCACCATGAGTAGCGCGGTGTAGTACTCT	240
CCTTTCCAGATCCCAGCAGCAGCTTCCGCGAGGATGCTCCGCGGCCCCCGGTTCCGGGAGA	300
AGAAGGGGAGACCCACCGTCTCACCCTAGTGTGGCAAGGTCCAGTCCACCAACCTAT	360
GCCCGTTTCCTCTAATGCTAGGCGGAATGAAGATGACTGGGGGAGCCCGAGGGGCGGGC	420
CTCCCCGATTCCCCTTGACCAGGTGGACCAAGTCTTTACACTCCTTGTTGGGTGACCA	480
GGATGGTGCATACCTCTTCCGGACTTTCGCGAGAGGGAGAAATGTGTGGATACGCTGGA	540
CTTCTGGTTTGCTTTGTAATGGGTTCAGGCAGATGAACCTGAAGGATACCAAACCTTGCG	600
AGTGGCCAAAGCAATCTATAAGAGGTACATTGAGACAACAGCGTTGGCGCCAAGCAGCT	660
GAAGCCCGCCACCAAGACCTACATACGAGATGGCATCAAGAAGCAACAGATCGGCTCGGT	720
CATGTTTGACCAGGCACAGACCGAGATCCAGGCAGTGATGGAGGAAAATGCCTACCAGGT	780
GTTCTTGACTTCTGACATTTACCTGGAATATGTGAGGAGTGGGGGGGAAAACACAGCTTA	840
CATGAGTAACGGGGGACTGGGGAGCCTAAAGGTCTTATGTGGCTACCTCCCCACCTTGAA	900
TGAAGAAGAGGAGTGGACGTGTGCCGACCTCAAGTGCAAACCTTCACCACCGTGTTGG	960
CTTGTCAGCAAAACTCTTCGGGCCACCGCAGTGTGAGATCCACGAAACAGCTGAAAA	1020
CGGATTCAGGTCCTTCAAGAGAAAGCGACCCAGTCAATCCTTATCACGTAGGTTCCGGCTA	1080
TGCTTTTGCACAGCCACCAGCGCCAACGACAGCGAGTATCCAGCGACGCACTGACCGA	1140
CGATTCATGTGCATGACGGACAGTAGCGTAGATGGAGTCCCTCCTTACCGCATGGGGAG	1200
TAAGAAACAGCTCCAGAGAGAGATGCATCGCAGTGTGAAGGCCAATGGCCCAAGTGCTCTT	1260
ACCTCATTTTCGAGAACCCACCGCCTGCCCAAGGAGATGACGCCTGTGGAACCTGCTGC	1320
CTTCGCGCGGAGCTCATCTCCAGGCTGGAGAAACGAAACTGGAGCTGGAAAGCCGCCA	1380
TAGTCTGGAGGAGCGGCTGCAGCAGATCCGGGAGGATGAAGAAAGGAGGGGTCTGAGCA	1440
GGCCCTGAGCTCAGGGATGGAGCACCGGTCCAGCACCCCTGGCCCTCTACCCCTCCGG	1500
CAGCTATGAAGAGGACCCACAAACCATTTTGACGACCACCTCTCCAGGGTCTCAAGAC	1560
CCCCGGCTGTCAATCCCTGGTGTGGGTGCTACAGCCCAAGGTCCCGCTCCCCGACCA	1620
CCACCACCAGCACCACCACCATCAGCAGTGTATACCCTTCTTCGACTGGGGCAAGCT	1680
GCCCCCGTGGCTGCTTGCCCCCTCTTGGAGGCAAGAGCTTCCTGACCAACAGACGAC	1740
GAAGCACGTTACCACTACTCATCCACCACACGCCGTCCCAAGACCAAGGAGGAGAT	1800
CGAGGCAGAAGCCACACAGAGAGTCCGCTGCCCTGTGCTTGGGGAACAGATATATTG	1860
CTACTCCAAATGCAAAAGCCACCCGAAGGTCCAGAGCCCTGCTGGGGAGCAGTGTG	1920
TGGCAGCAGAGGTGGTACCTTGCCAAAACGGAATGCAAAGGGCAOCCAACGGGTCTTG	1980
ACTGTCCGCCAAGGATGGAGGATGTCCAGTGCAGCGGGGGGCCOCCAGCTTCTGGGGA	2040
AGAAGGAGACCGGTACAGATGTCTGGCAGTGGATGTGGATAGTGAGCGGCAGAGCAA	2100
GTCCAAGCCCCATAGTGCCCAAAGCATAAGAAAGAGCTACCCATGGAGTCTGOCCTGC	2160
GGCCCCAGGAGAACGAGTCAGCCGGCACCATCTGTTGGGGGCCAGCGGACACTCCCGCTC	2220
AGTGGCCCGGGCTACCCATTTACCCAGGACCCTGCAATGCCCTCCCTTACCCCAOCAA	2280
CACCTTGGCACAGCTAGAGGAAGCTGCCGCAGGTGGCACAGGTGTCGAAGCCCCAGAA	2340
GCAGCGGTGCTGCGTGGCAGTACAGAGAGGGACAGGAACCACTCGGCTGCTGGTCAGGC	2400
AGGAGCCTACCCCTTCGCCAACCCAAAGCCTGGCTCCAGAAGATCACAAGAGCCAAAGA	2460
ACTGGCAAGTGTCCACGCGCTCCAGGGCAGTGAGCTGGTGTACCTACTTTTCTGTGG	2520
AGAAGAAATTCATACAGGAGGATGCTGAAGGCTCAAAGCTTGACCCTGGGCCACTTCAA	2580
GGAGCAGCTCAGCAAAAAGGGAAATTACACAGGTATATTTCAAGAAGGCAGTGACGAATT	2640
TGCCTGCGGAGCAGTTTGTGAGGAGATCTGGGACGACGAGACAGTGCTCCCCATGTACGA	2700
AGGCAGGATCTGGGCAAGTGGAGAGGATGACTGAGCCTTGGCCTCCTCGGCTGCAA	2760
CCTGGGCAAGCACTCGGCTGTCACCATGGAGCCGAAGCCAGAGACCTGTCTCAGGCC	2820
TAAGC	2825

ERSATZBLATT (REGEL 26)

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215	ATG	AGT	AGC	GCC	GTG	TTA	GTG	ACT
1	M	S	S	A	V	L	V	T
CTC	CTT	CCA	GAT	CCC	AGC	AGC	AGC	TTC
L	L	P	D	P	S	S	S	F
CGC	GAG	GAT	GCT	CCG	CGG	CCC	CCG	GTT
R	E	D	A	P	R	P	P	V
CCG	GGA	GAA	GAA	GGG	GAG	ACC	CCA	CCG
P	G	E	E	G	E	T	P	P
TGT	CAG	CCT	AGT	GTG	GGC	AAG	GTC	CAG
C	Q	P	S	V	G	K	V	Q
TCC	ACC	AAA	CCT	ATG	CCC	GTT	TCC	TCT
S	T	K	P	M	P	V	S	S
AAT	GCT	AGG	CGG	AAT	GAA	GAT	GGA	CTG
N	A	R	R	N	E	D	G	L
GGG	GAG	CCC	GAG	GGG	CGG	GCC	TCC	CCC
G	E	P	E	G	R	A	S	P
GAT	TCC	CCT	TTG	ACC	AGG	TGG	ACC	AAG
D	S	P	L	T	R	<u>W</u>	<u>T</u>	<u>K</u>
TCT	TTA	CAC	TCC	TTG	TTG	GGT	GAC	CAG
S	L	H	S	L	L	G	D	Q
GAT	GGT	GCA	TAC	CTC	TTC	CGG	ACT	TTC
D	G	A	Y	L	F	R	T	F
CTG	GAG	AGG	GAG	AAA	TGT	GTG	GAT	ACG
L	E	R	E	K	C	V	D	T
CTG	GAC	TTC	TGG	TTT	GCT	TGT	AAT	GGG
L	D	F	W	F	A	C	N	G

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ERSATZBLATT (REGEL 26)

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TTC	AGG	CAG	ATG	AAC	CTG	AAG	GAT	ACC
F	R	Q	M	N	L	K	D	T
AAA	ACT	TTG	CGA	GTG	GCC	AAA	GCA	ATC
K	T	L	R	V	A	K	A	I
TAT	AAG	AGG	TAC	ATT	GAG	AAC	AAC	AGC
Y	K	R	Y	I	E	N	N	S
GTT	GTC	TCC	AAG	CAG	CTG	AAG	CCC	GCC
V	V	S	K	Q	L	K	P	A
ACC	AAG	ACC	TAC	ATA	CGA	GAT	GGC	ATC
T	K	T	Y	I	R	D	G	I
AAG	AAG	CAA	CAG	ATC	GGC	TCG	GTC	ATG
K	K	Q	Q	I	G	S	V	M
TTT	GAC	CAG	GCA	CAG	ACC	GAG	ATC	CAG
F	D	Q	A	Q	T	E	I	Q
GCA	GTG	ATG	GAG	GAA	AAT	GCC	TAC	CAG
A	V	M	E	E	N	A	Y	Q
GTG	TTC	TTG	ACT	TCT	GAC	ATT	TAC	CTG
V	F	L	T	S	D	I	Y	L
GAA	TAT	GTG	AGG	AGT	GGG	GGG	GAA	AAC
E	Y	V	R	S	G	G	E	N
ACA	GCT	TAC	ATG	AGT	AAC	GGG	GGA	CTG
T	A	Y	M	S	N	G	G	L
GGG	AGC	CTA	AAG	GTC	TTA	TGT	GGC	TAC
G	S	L	K	V	L	C	G	Y
CTC	CCC	ACC	TTG	AAT	GAA	GAA	GAG	GAG
L	P	T	L	N	E	E	E	E

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ERSATZBLATT (REGEL 26)

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TGG W	ACG T	TGT C	GCC A	GAC D	CTC L	AAG K	TGC C	AAA K
CTC L	TCA S	CCC P	ACC T	GTG V	GTT V	GGC G	TTG L	TCC S
AGC S	AAA K	ACT T	CTT L	CGG R	GCC A	ACC T	GCG A	AGT S
GTG V	AGA R	TCC S	ACG T	GAA E	ACA T	GCT A	GAA E	AAC N
GGA G	TTC F	AGG R	TCC S	TTC F	AAG K	AGA R	AGC S	GAC D
CCA P	GTC V	AAT N	CCT P	TAT Y	CAC H	GTA V	GGT G	TCC S
GGC G	TAT Y	GTC V	TTT F	GCA A	CCA P	GCC A	ACC T	AGC S
GCC A	AAC N	GAC D	AGC S	GAG E	TTA L	TCC S	AGC S	GAC D
GCA A	CTG L	ACC T	GAC D	GAT D	TCC S	ATG M	TCC S	ATG M
ACG T	GAC D	AGT S	AGC S	GTA V	GAT D	GGA G	GTC V	CCT P
CCT P	TAC Y	CGC R	ATG M	GGG G	AGT S	AAG K	AAA K	CAG Q
CTC L	CAG Q	AGA R	GAG E	ATG M	CAT H	CGC R	AGT S	GTG V
AAG K	GCC A	AAT N	GGC G	CAA Q	GTG V	TCT S	CTA L	CCT P
CAT H	TTT F	CCG P	AGA R	ACC T	CAC H	CGC R	CTG L	CCC P

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ERSATZBLATT (REGEL 26)

AAG	GAG	ATG	ACG	CCT	GTG	GAA	CCT	GCT
K	E	M	T	P	V	E	P	A
GCC	TTC	GCC	GCC	GAG	CTC	ATC	TCC	AGG
A	F	A	A	E	L	I	S	R
CTG	GAG	AAA	CTG	AAA	CTG	GAG	CTG	GAA
L	E	K	L	K	L	E	L	E
AGC	CGC	CAT	AGT	CTG	GAG	GAG	CGG	CTG
S	R	H	S	L	E	E	R	L
CAG	CAG	ATC	CGG	GAG	GAT	GAA	GAA	AAG
Q	Q	I	R	E	D	E	E	K
GAG	GGG	TCT	GAG	CAG	GCC	CTG	AGC	TCA
E	G	S	E	Q	A	L	S	S
CGG	GAT	GGA	GCA	CCG	GTC	CAG	CAC	CCC
R	D	G	A	P	V	Q	H	P
CTG	GCC	CTC	CTA	CCC	TCC	GGC	AGC	TAT
L	A	L	L	P	S	G	S	Y
GAA	GAG	GAC	CCA	CAA	ACC	ATT	TTG	GAC
E	E	D	P	Q	T	I	L	D
GAC	CAC	CTC	TCC	AGG	GTC	CTC	AAG	ACC
D	H	L	S	R	V	L	K	T
CCC	GGC	TGT	CAA	TCC	CCT	GGT	GTG	GGT
P	G	C	Q	S	P	G	V	G
CGC	TAC	AGC	CCA	CGG	TCC	CGC	TCC	CCC
R	Y	S	P	R	S	R	S	P
GAC	CAC	CAC	CAC	CAG	CAC	CAC	CAC	CAT
D	H	H	H	Q	H	H	H	H

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ERSATZBLATT (REGEL 26)

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CAG	CAG	TGT	CAT	ACC	CTT	CTT	TCG	ACT
Q	Q	C	H	T	L	L	S	T
GGG	GGC	AAG	CTG	CCC	CCC	GTG	GCT	GCT
G	G	K	L	P	P	V	A	A
TGC	CCC	CTC	CTT	GGA	GGC	AAG	AGC	TTC
C	P	L	L	G	G	K	S	F
CTG	ACC	AAA	CAG	ACG	ACG	AAG	CAC	GTT
L	T	K	Q	T	T	K	H	V
CAC	CAC	CAC	TAC	ATC	CAC	CAC	CAC	GCC
H	H	H	Y	I	H	H	H	A
GTC	CCC	AAG	ACC	AAG	GAG	GAG	ATC	GAG
V	P	K	T	K	E	E	I	E
GCA	GAA	GCC	ACA	CAG	AGA	GTC	CGC	TGC
A	E	A	T	Q	R	V	R	C
CTC	TGT	CCT	GGG	GGA	ACA	GAT	TAT	TAT
L	C	P	G	G	T	D	Y	Y
TGC	TAC	TCC	AAA	TGC	AAA	AGC	CAC	CCG
C	Y	S	K	C	K	S	H	P
AAG	GCT	CCA	GAG	CCC	CTG	CCT	GGG	GAG
K	A	P	E	P	L	P	G	E
CAG	TTT	TGT	GGC	AGC	AGA	GGT	GGT	ACC
Q	F	C	G	S	R	G	G	T
TTG	CCA	AAA	CGG	AAT	GCA	AAG	GGC	ACC
L	P	K	R	N	A	K	G	T
GAA	CCG	GGT	CTT	GCA	CTG	TCG	GCC	AGG
E	P	G	L	A	L	S	A	R
GAT	GGA	GGG	ATG	TCC	AGT	GCA	GCG	GGG
D	G	G	M	S	S	A	A	G

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ERSATZBLATT (REGEL 26)

GGC	CCC	CAG	CTT	CCT	GGG	GAA	GAA	GGA
G	P	Q	L	P	G	E	E	G
GAC	CGG	TCA	CAG	GAT	GTC	TGG	CAG	TGG
D	R	S	Q	D	V	W	Q	W
ATG	TTG	GAG	AGT	GAG	CGG	CAG	AGC	AAG
M	L	E	S	E	R	Q	S	K
TCC	AAG	CCC	CAT	AGT	GCC	CAA	AGC	ATA
S	K	P	H	S	A	Q	S	I
AGA	AAG	AGC	TAC	CCA	TTG	GAG	TCT	GCC
R	K	S	Y	P	L	E	S	A
CGT	GCG	GCC	CCA	GGA	GAA	CGA	GTC	AGC
R	A	A	P	G	E	R	V	S
CGG	CAC	CAT	CTG	TTG	GGG	GCC	AGC	GGA
R	H	H	L	L	G	A	S	G
CAC	TCC	CGC	TCA	GTG	GCC	CGG	GCT	CAC
H	S	R	S	V	A	R	A	H
CCA	TTT	ACC	CAG	GAC	CCT	GCA	ATG	CCT
P	F	T	Q	D	P	A	M	P
CCC	CTT	ACC	CCA	CCC	AAC	ACT	TTG	GCA
P	L	T	P	P	N	T	L	A
CAG	CTA	GAG	GAA	GCC	TGC	CGC	AGG	CTG
Q	L	E	E	A	C	R	R	L
GCA	GAG	GTG	TCG	AAG	CCC	CAG	AAG	CAG
A	E	V	S	K	P	Q	K	Q
CGG	TGC	TGC	GTG	GCC	AGT	CAG	CAG	AGG
R	C	C	V	A	S	Q	Q	R

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ERSATZBLATT (REGEL 26)

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GAC	AGG	AAC	CAC	TCG	GCT	GCT	GGT	CAG
D	R	N	H	S	A	A	G	Q
GCA	GGA	GCC	TCA	CCC	TTC	GCC	AAC	CCA
A	G	A	S	P	F	A	N	P
AGC	CTG	GCT	CCA	GAA	GAT	CAC	AAA	GAG
S	L	A	P	E	D	H	K	E
CCA	AAG	AAA	CTG	GCA	AGT	GTC	CAC	GCG
P	K	K	L	A	S	V	H	A
CTC	CAG	GCC	AGT	GAG	CTG	GTT	GTC	ACC
L	Q	A	S	E	L	V	V	T
TAC	TTT	TTC	TGT	GGA	GAA	GAA	ATT	CCA
Y	F	F	C	G	E	E	I	P
TAC	AGG	AGG	ATG	CTG	AAG	GCT	CAA	AGC
Y	R	R	M	L	K	A	Q	S
TTG	ACC	CTG	GGC	CAC	TTC	AAG	GAG	CAG
L	T	L	G	H	F	K	E	Q
CTC	AGC	AAA	AAG	GGA	AAT	TAC	AGG	TAT
L	S	K	K	G	N	Y	R	Y
TAT	TTC	AAG	AAG	GCG	AGT	GAC	GAA	TTT
Y	F	K	K	A	S	D	E	F
GCC	TGC	GGA	GCA	GTT	TTT	GAG	GAG	ATC
A	C	G	A	V	F	E	E	I
TGG	GAC	GAC	GAG	ACA	GTG	CTC	CCC	ATG
W	D	D	E	T	V	L	P	M
TAC	GAA	GGC	AGG	ATC	CTG	GGC	AAA	GTG
Y	E	G	R	I	L	G	K	V
GAG	AGG	ATC	GAC	TGA	2737			
E	R	I	D	STOP				

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ERSATZBLATT (REGEL 26)

CONDUCTIN KONSTRUKTE		INTERAKTION MIT				ABBAU VON b-CATENIN IN SW480 ZELLEN
		b-CATENIN	APC #1	APC #2	GSK3b	
1 78	200 343 396 465	840				
	<div><div>RGS</div><div><div>GSK</div><div>BD</div><div>βBD</div></div></div>	220	6	9	18	ja
79	280	490	0	0	n.d.	ja
	<div><div><div>GSK</div><div>BD</div><div>βBD</div></div></div>	1060	0	0	670	nein
	<div><div><div>GSK</div><div>BD</div><div>βBD</div></div></div>	0	190	260	0	nein
	338 472	0	110	250	84	nein
	<div><div>RGS</div><div><div>GSK</div><div>BD</div></div></div>	0	390	390	0	nein
	<div><div>RGS</div></div>					

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